

• **Test 03**

Test animal: 1872 1-day-old AA broilers were randomly divided into 3 groups, each with 8 replicates, and each replicate with 78 broilers.

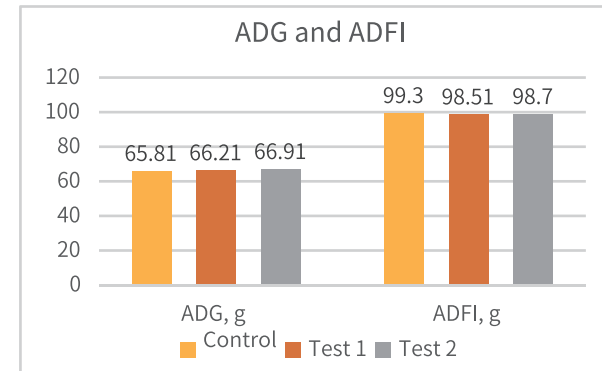
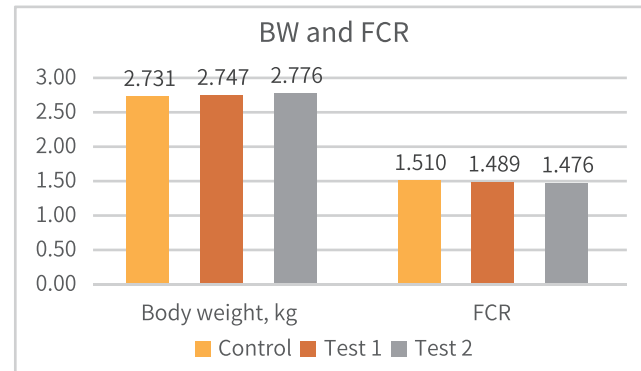
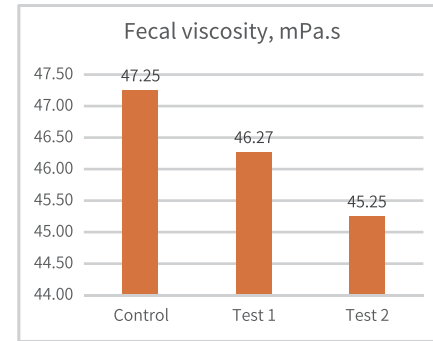
Test period: 42 days

Test design: Control group: basal diet

Test 1: basal diet + 100 g/t EnerGen Supreme

Test 2: basal diet + 200 g/t EnerGen Supreme

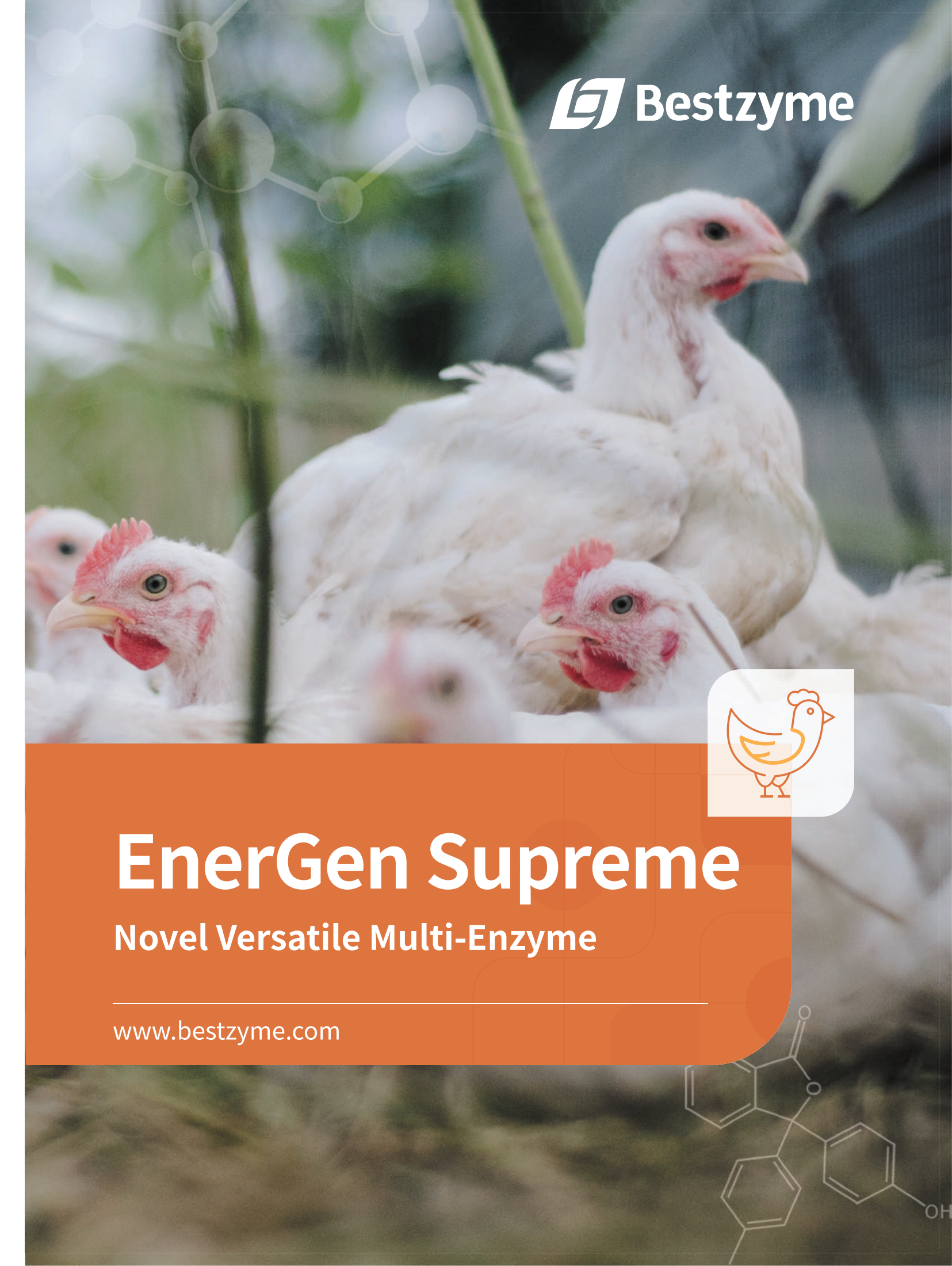
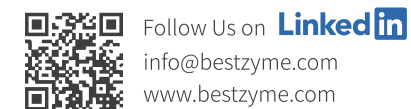
Test result: Supplement of EnerGen Supreme can reduce the fecal viscosity and increase the digestibility of nutrients, reduce FCR and improve the growth performance of broilers.



Add Value to Feed

• **Product Parameters**

Product Name	EnerGen Supreme
Enzyme Activity	Xylanase , Cellulase Beta Mannanase , Beta Glucanase , Amylase , Protease
Form	Powder
Application Method	1.100-200 g/t is recommended for complete feed; 2.The dosage will be converted into concentration and premix with feed according to the actual proportion
Package	25 kg/bag
Storage	Store in cool, shady, ventilated and dry place
Shelf life	12 months in original packaging



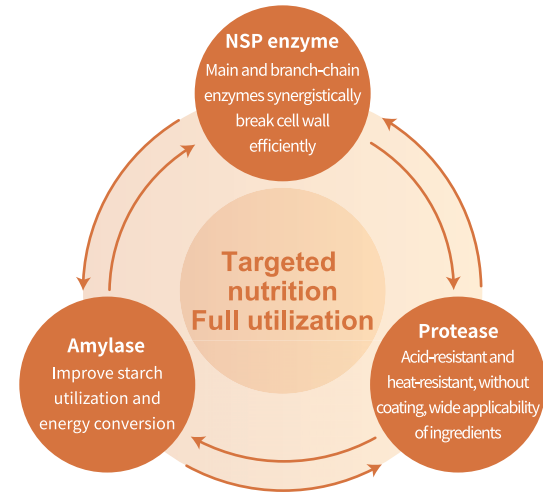
EnerGen Supreme

Novel Versatile Multi-Enzyme

www.bestzyme.com

Description

The feed contains a lot of NSP, which wraps the nutrients in the cell and affects the absorption and utilization of nutrients by animals. Xylan is the main anti-nutritional factor in NSP. The structure of xylan consists of main chain and branched chain. Branched chain enzymes (arabinofuranidase and ferulate esterase) can cut most of the branched chains of xylan, then the exposed main chain is broken down by xylan enzymes. The coordination of main-chain enzymes and branched-chain enzymes can effectively break plant cell walls and release nutrients.



EnerGen Supreme is a full-action complex enzyme consisting of NSP enzyme, amylase and protease. It contains main-chain xylanase and branched-chain xylanase, which can better break the cell wall of feed materials, release more nutrients, and strengthen the digestion of endogenous enzymes, and improve the utilization rate of nutrients.



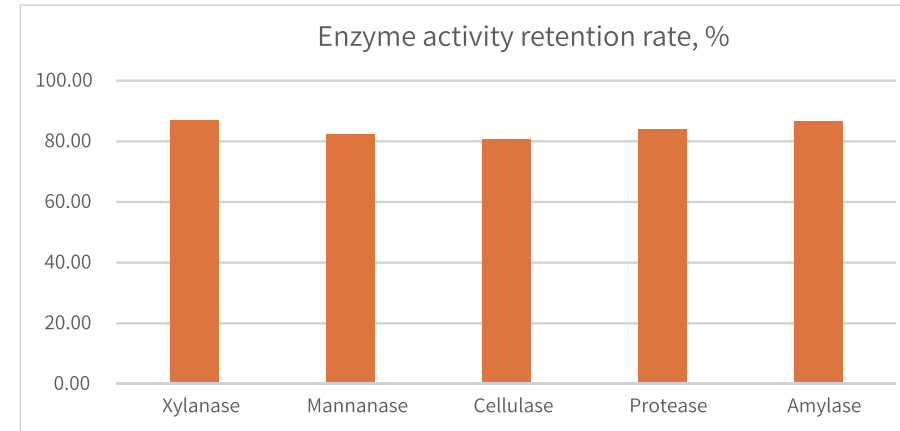
The main role of EnerGen Supreme

- Degrade the cell wall, promote the release of intracellular nutrients, and improve feed utilization;
- Degrade anti-nutritional factors such as xylan, cellulose, and mannan in feed, and reduce the viscosity of chyme;
- Cooperate with endogenous enzymes to enhance the digestion of nutrients;
- Produces prebiotics to promote gut health;
- Promote energy utilization, adjust feed formula according to matrix value, and save feed cost;
- Reduce the discharge of organic matter in the feces and reduce environmental pollution.

Product advantages

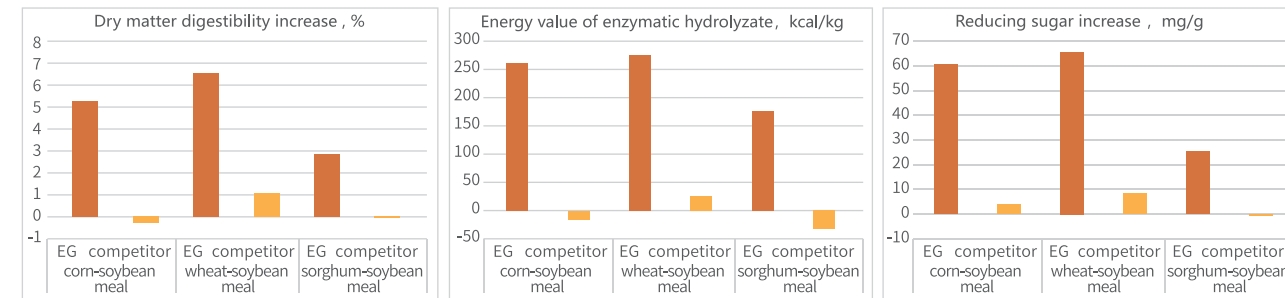
Stability—better thermostability

Under conventional granulation conditions (85°C), the enzyme activity retention rate is above 80%.

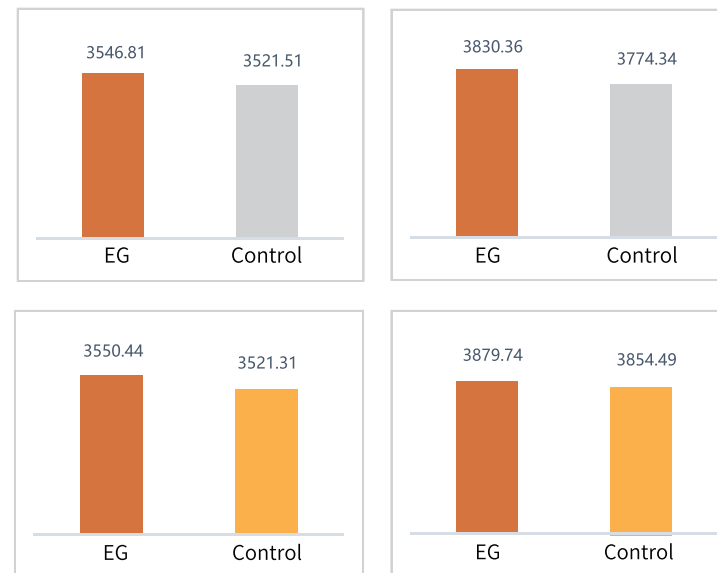


High efficiency—Good degradation effect on different diets

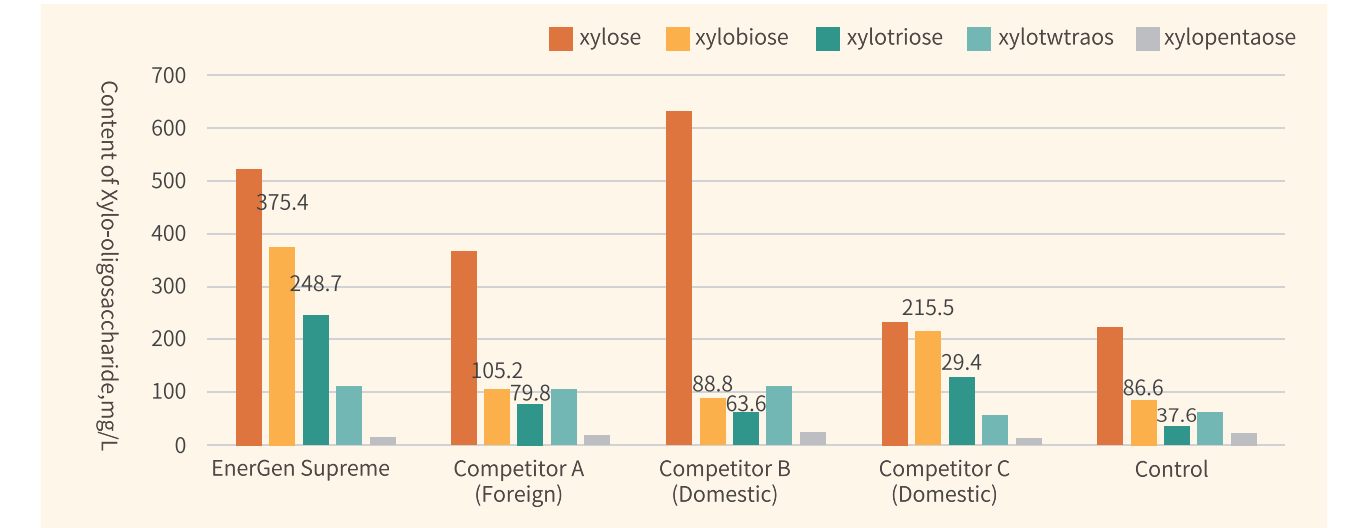
The two-step in vitro enzymatic hydrolysis of different simulated diets, EnerGen Supreme showed good in vitro effects, and the dry matter digestibility increased by 3-5%!



Monogastric biomimetic system enzymatically hydrolyzes different commercial feeds, EnerGen Supreme can increase the metabolizable energy value by 30-60 kcal/kg



High efficiency—Produce more xylobiose and xylotriose



Production benefit - Broiler

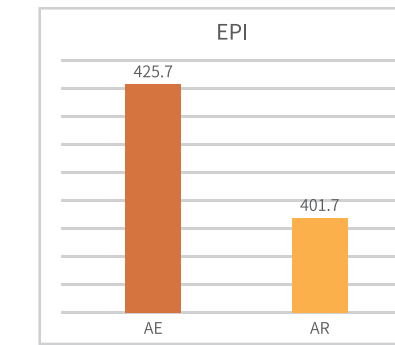
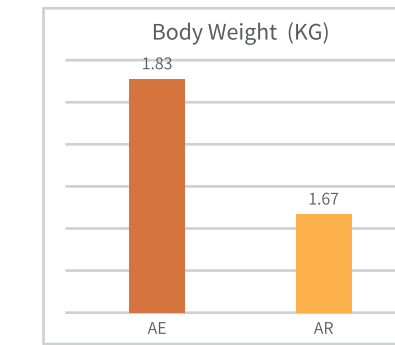
Test 01

Test site: Serang, Banten, Indonesia

Test animal: Cobb Broiler, 0-35d

Test design: Control: basal diet +200g/t Competitor enzyme

Test: basal diet + 200g/t EnerGen Supreme



Compared to the control group, the addition of EnerGen Supreme increased the broiler weight by 0.16 kg and the EPI by 24.

Test 02

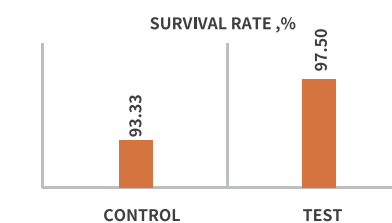
Test site: Shenyang, Liaoning Province

Test animal: Broiler, 7-40d

Test design: Control group: basal diet
Test group: basal diet + 200 g/t EnerGen Supreme

Item	Initial weight,g	Final weight,g	ADFI,g	ADG,g	F/G
Control	143.33	1647.08	69.83	37.59	1.86
Test	143.33	1790.21	73.45	41.17	1.78

Item	Digestibility of CP	Digestibility of DM	Digestibility of Energy
Control	58.57%	94.47%	56.42%
Test	73.28%	96.82%	75.29%



Compared with the control group, the addition of EnerGen Supreme increased the weight of broilers by 143g, decreased F/G by 0.08, and increased the survival rate by 4.17%.